

HOW TO SPECIFY & INSTALL A WICKES GARAGE DOOR

A new garage door can make a dramatic difference to the look of your property as well as adding extra security, the opportunity to electrically operate the door and the possibility of having a maintenance free finish doing

away with regular repainting or restaining. Wickes garage doors come in a variety of materials finishes and sizes. There are two choices of gearing option on up and over garage doors, Canopy gear or Retractable gear, both can be

operated electrically. There is also Roller and Sectional Doors which come electrically operated as standard.



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The installation of a new garage door, whether as a replacement for an existing door or as a new addition to your property is straight forward. Garage doors are by nature large and unwieldy and are best handled by two people, which makes positioning and fixing much easier and safer.

CHOOSING YOUR GARAGE DOOR

Garage doors come in a variety of materials, finishes, colours and sizes. Choosing the right door design to complement your property is a personal matter, but it is best to try and isolate a particularly strong architectural feature of the property and choose a door style to match or contrast with that feature. For example the shape or design of your windows, the front entrance door or the gable ends can provide a feature you may wish to replicate.

Door Finishes

The finish of your garage door is also important. Wickes range of GRP Gloss White garage door products all feature a low maintenance finish, which needs no further finishing attention on site. The Wickes Steel door range comes painted white ready to fit. The Wickes Insulated Roller doors come fully furnished in white and oak effect and require no further finishing after installation. The Wickes sectional doors come fully furnished in white and require no further finishing. Wickes Timber garage doors are constructed using tongue & grooved timber, these doors must be fully treated prior to installation with a suitable finish.

UP & OVER GARAGE DOORS

Door sizes

The size of the garage opening and the frame requirements are very important. All garage door sizes in Wickes literature refer to the internal frame opening size into which the door is to be installed - we manufacture the tolerances into the door. 'Standard' single door sizes are for openings sizes between 6'6" and 8'0" wide in 6 inch increments and either 6'6" or 7'0" high.

Door Frames

Traditionally, garage doors are fitted into a timber frame, which is securely fixed to the surrounding brick or blockwork and sealed and painted to the colour of your choice. If fitting a new door into an existing timber frame it should be thoroughly checked for soundness of the timber (particularly at the bottom of the uprights where Retractable gear fittings will be located), dimensional squareness and security of the installation. If in doubt, it is best to replace a suspect frame, as the forces imposed by garage door operation can be considerable. The option of a Wickes Framed door allows increased ease of installation by having the door pre-fitted into a strong, durable steel section, which replaces the traditional timber frame and provides a pre-assembled surround that is fixed between or behind the opening.

Door Gear

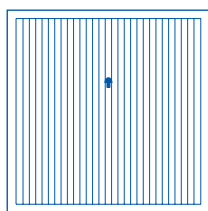
Wickes one piece doors come with a choice of two gearing options. Doors are delivered with all the fixtures and fittings required to install and operate your new garage door.

'Canopy' gear is designed for single sized doors (up to 8'0" wide), is simplest to install, does not restrict opening width and is the most popular garage door operating gear available. The name derives from the fact that in the fully open position the door leaf protrudes in front of the opening to form a 'canopy'. There are no fittings encroaching into the garage and the door does not intrude into the garage as far as an equivalent sized 'Retractable' door. This can be important where there are obstructions within a garage such as pillars, beams or gas meters which restrict the clear opening width inside the garage.

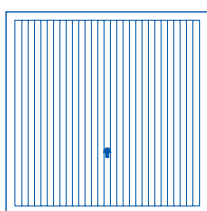
'Retractable' gear is so called as the door leaf 'retracts' into the garage on horizontal tracks that are suspended from the ceiling. This type of gear has smoother operation, is more durable and is simpler to operate with an electric opener.

'Framed Doors' are identical to the above except that the door and gear are pre-installed inside a galvanised steel frame therefore there is no need for a timber frame giving increased ease of installation and durability. Steel frames are available on single doors up to 8ft wide x 7ft high.

Handle position



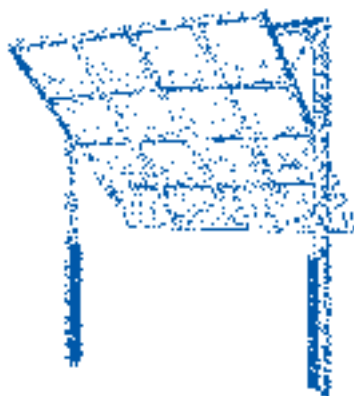
GRP Canopy



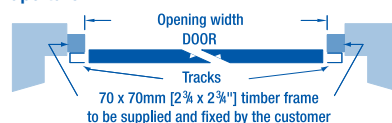
GRP Retractable
Steel/Timber both
canopy retractable

Wickes One Piece Up & Over Doors

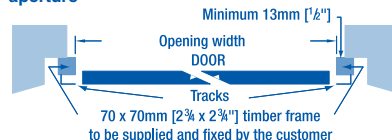
For Canopy Doors



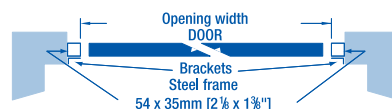
Fitting to timber frame, within the brickwork aperture



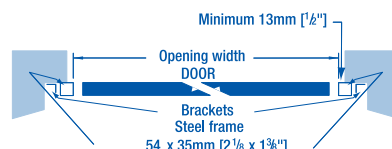
Fitting to timber frame, behind the brickwork aperture



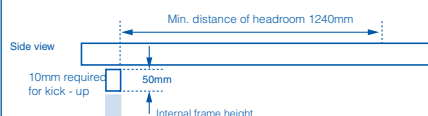
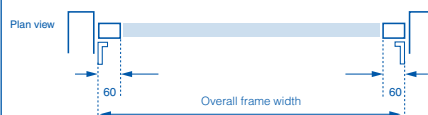
Fitting pre-framed GRP door with steel box frame, within the brickwork aperture



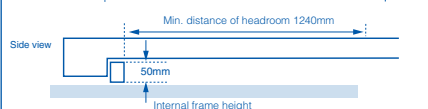
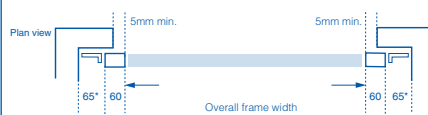
Fitting pre-framed GRP door with steel box frame, behind the brickwork aperture



Fitting pre-framed timber/steel door with steel box frame within the brickwork aperture

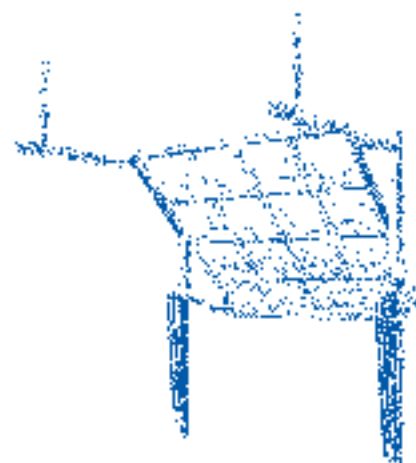


Fitting pre-framed timber/steel door with steel box frame behind the brickwork aperture

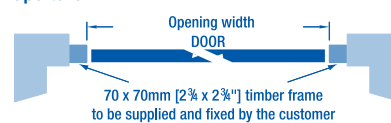


*Width of anchor in this position

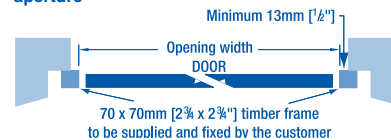
For Retractable Doors



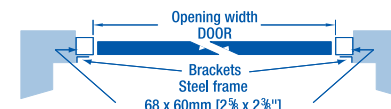
Fitting to timber frame, within the brickwork aperture



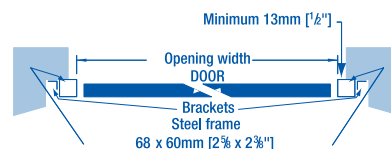
Fitting to timber frame, behind the brickwork aperture



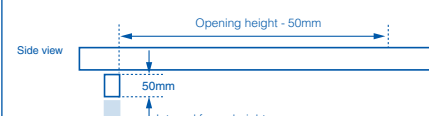
Fitting pre-framed GRP door with steel box frame, within the brickwork aperture



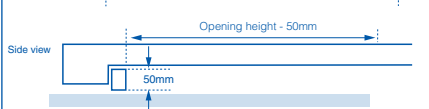
Fitting pre-framed GRP door with steel box frame, behind the brickwork aperture



Fitting pre-framed timber/steel door with steel box frame within the brickwork aperture



Fitting pre-framed timber/steel door with steel box frame behind the brickwork aperture



SECTIONAL & ROLLER

Wickes Sectional and Roller doors offer vertical lifting operation without the need for specialist installation. The Roller doors are automated as standard. They are suitable for fitting behind the reveal.

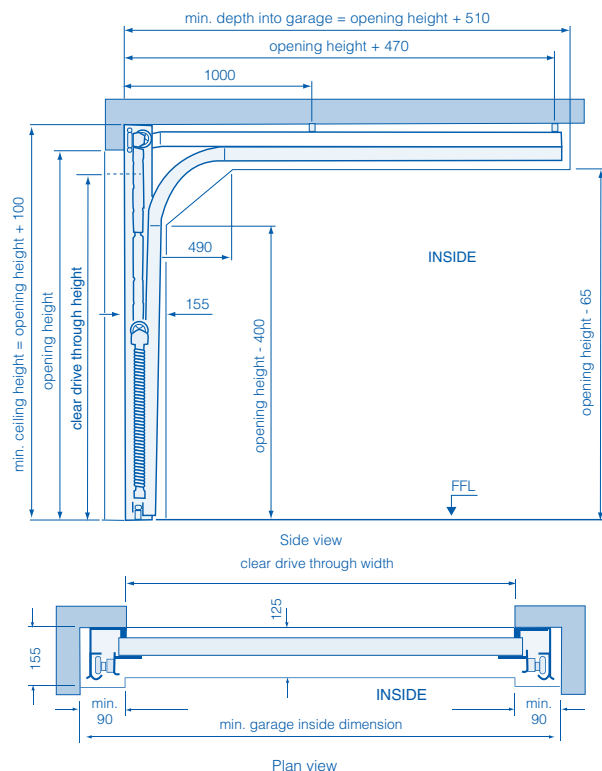
Selectional garage door with tension spring fitting

Minimum garage dimensions for manually operated doors

Headroom:	100mm (210mm for doors wider than 3050)
Sideroom:	90mm (each side)
Depth into garage:	garage door height + 510mm
Clear passage height for manually operated doors:	garage door height - 80mm (-50 for doors wider than 3050)

Minimum garage dimensions for doors with operator

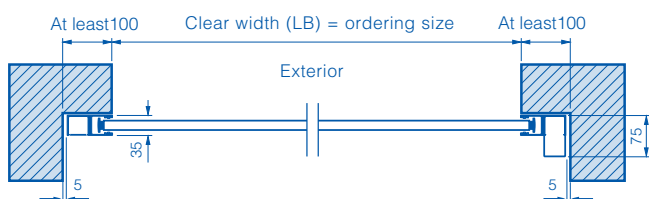
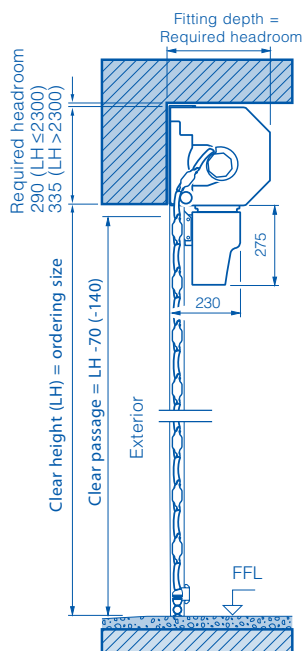
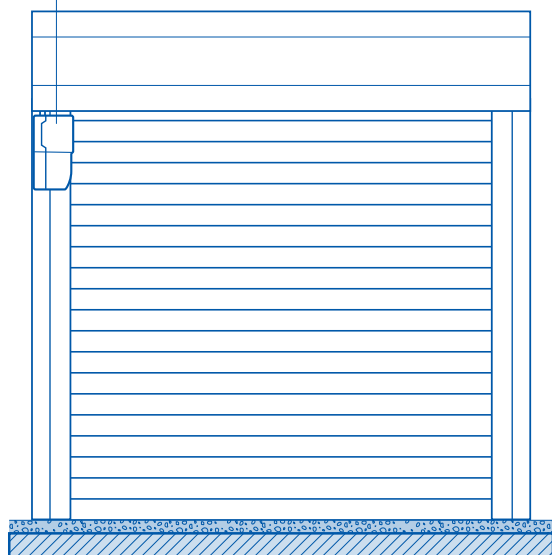
Headroom:	115mm
Sideroom:	90mm (each side)
Depth into garage:	for doors up to 2125mm high: 3200mm for doors up to 3000mm high: 4125mm
Clear passage height for doors with operator:	garage door height - 30mm



Roller door fitting dimensions

Fitting behind the opening

Operator at left side



Clear passage height =
clear height (ordering size) - 70mm

Clear passage width =
clear width (ordering size)

NB - Doors are designed and ideally suit fitting directly to the brickwork, with back face of the brickwork and Lintel being flush. The door curtain leads in to top of guides - reducing drive through height by 70mm (2"). Minimum headroom required measured from the lintel to roof structure / garage ceiling is :- 270mm (10¹/₂") for 7066, 7070 and 1466 doors and 300mm (12") for 1470 doors.

The door curtain is supplied assembled and packed in a carton.

ORDERING & INSTALLATION

Establish door size required

Prior to ordering your new garage door you will need to establish the door size required for your garage. The first decision is whether or not you want to fit your door between or behind the reveal.

Fitting between the reveal maximises the length of the garage while fitting behind the reveal maximises the available opening width, as the frame then only needs to protrude 13mm* each side into the opening while the head of the frame can be flush with the top of the reveal.

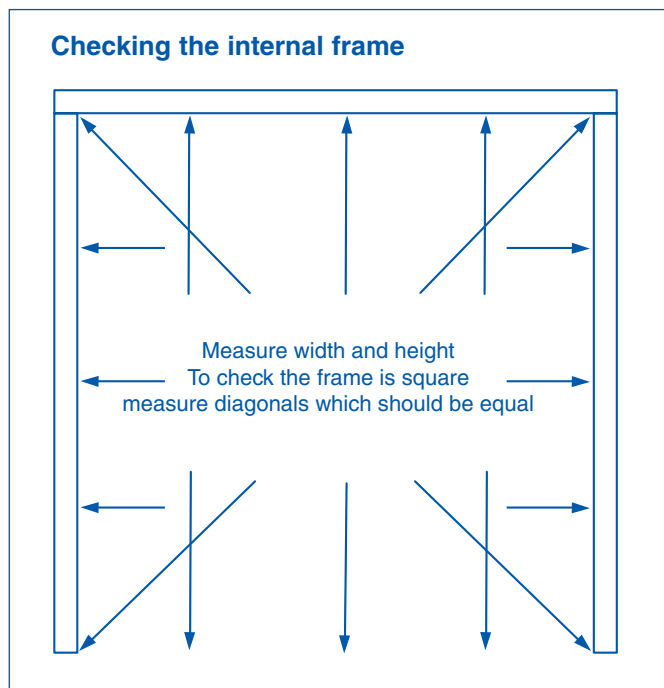
*For vertically fitting and roller doors the jambs can be flush with the brickwork -no overlap is required.

Checking the frame

If an existing timber frame is to be used it must be sound and fitted square into the opening. Each frame leg and the frame head should have a minimum thickness of 70mm. Check squareness by measuring the diagonals (which should be equal) and the height and width in at least three places. Check the frame legs are vertical using a spirit level ensuring the legs are the same distance behind the front brickwork face.

The width and the height of the opening between the frame sections must be the same as the door opening width to ensure a proper fit. If the existing frame displays any sign of rot or if it is not square we suggest you install a new frame to ensure a correct fit and operation of the door.

Check that there are no obstructions inside the garage that are likely to interfere with the clear opening of the door, prime examples are low roof beams, gas meters or partition walls. Also, there must be a clear 70mm for one piece doors above the bottom of the frame head to allow the door to rise during the opening cycle.



Preparing for installation

The area around the garage opening and inside the garage should be cleared of obstructions prior to commencing the installation. If there is no alternative access to the garage you will need a second person to advise on the squareness of the positioning of the door in the opening from the outside as you manoeuvre the door from the inside. All initial fixing is done from inside the garage so ensure your tools, fittings and stepladder are inside the garage before the door is presented into the opening.

Before starting on the installation please carefully read the enclosed fixing instructions.

There is a logical sequence to follow culminating in the fitting of the locking system. Here care should be taken on the adjustment of the lock cables as, if there is no alternative access to the garage, incorrect adjustment may mean you get locked out the first time you close the door from the outside.

OPERATION OF YOUR DOOR

A properly balanced garage door will, when given a push at the beginning of the opening cycle, open under its own power to between waist and chest height (dependant on personal preference). Full opening is achieved by pushing the door upwards from this position, which should require minimal effort.

On single retractable doors you will need to adjust the side spring location to give a satisfactory balance to the door.

On canopy doors some adjustment of spring tension may be required to meet your personal preference. Full instructions on how to add or remove spring tension are given in the door fixing instructions and should be followed carefully for the sake of personal safety.

In all cases, adjustment of your doors opening performance is a matter of trial and error in order to achieve an opening action to your personal satisfaction.

NB: Care should always be taken when adjusting garage door springs as door operating gear is under considerable tension.

On completion of installation

*See individual fitting instructions for more detail. Doors should receive a light oiling of all moving parts following installation. Regular maintenance is vital to ensure the continued ease of operation and longevity of your Wickes doors.

Once installed your garage door can easily be fitted with an electric remote control opener. Electric openers are suspended from the garage ceiling and operate by pulling or pushing the top of the door which is fitted by an arm attached to a carriage that moves up and down a horizontal track protruding from the head of the operator. The head of the operator.

FREQUENTLY ASKED QUESTION

What is GRP?

It stands for Glass Reinforced Polyester (also known as fibreglass) and is a term used for a two part 'plastic' type material that is stiffened and reinforced by bonding polyester resin to a multi stranded fibrous glass 'mat'. The whole product cures chemically into an inert product that will not warp, shrink or rust and is remarkably stable.

Can I fit the door to my existing timber frame?

Yes, providing it is fitted securely, is in good condition (no rot – especially at the bottom), fitted squarely in the opening and is a minimum of 70 x 70mm.

How do I look after my GRP door?

GRP doors should only be cleaned with a sponge and running water. Do not use abrasive or chemical cleaners. Woodgrain GRP doors should never be overcoated, particularly with finishes designed for use on real timber products. It is not possible to change the colour of a woodgrain door.

What maintenance does the door gear need?

Every six months the gear should be given a coating of light oil on all moving parts and pivot points. At the same time check for wear and replace parts if required. On canopy doors the overhead spring should be brushed with oil (engine oil would do) but not too thickly as it may drop onto the face of the door when opening. After oiling open and close the door several times to spread the lubrication.

What finishing does a timber door need?

It is vital that timber doors are fully finished as per the manufacturers instructions before exposure to the elements.

Whilst every care has been taken to ensure that the product design, descriptions, specifications and techniques of constructing the products are accurate at the date of printing, Wickes products will inevitably change from time to time and the customer is advised to check that the design, descriptions, specifications and techniques of constructing any of the products described in this leaflet are still valid at the time of purchasing or placing an order.

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